

At a glance ...

Tigo Energy

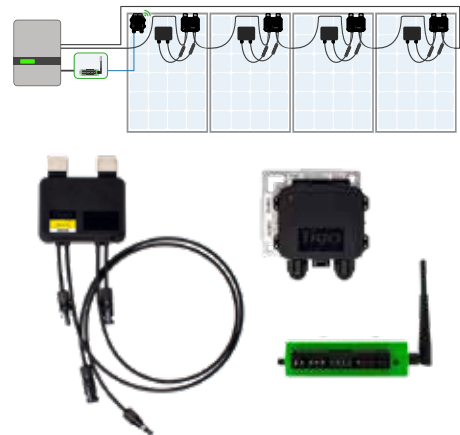


Product advantages

Founded in 2007, **Tigo Energy** is the worldwide leader of Flex MLPE (Module Level Power Electronics). Its mission is to deliver smart PV solutions that enhance safety, optimize performance and ensure long-term monitoring. The company is headquartered in Silicon Valley and has offices in Europe, the Americas, Japan and Australia, among others.

By combining a unique systems-level approach with expertise in semiconductors, power electronics and solar energy, the Tigo team developed the first-generation Smart Module Optimizer technology for the solar industry. Tigo's modular TS4 platform maximises the benefits of PV systems and provides a scalable, versatile and reliable MLPE solution.

Tigo[®]



Flexibility and efficiency

- Tigo TS4-A-O offers performance optimization, monitoring and rapid shutdown functions in a reliable package for particularly high system efficiency
- Full and selective use of the units possible – for the realisation of PV systems with partially shaded modules or mixed module orientations
- Supports solar modules with up to 500 Wp

Communication and installation

- Tigo's data hub Cloud Connect Advanced (CCA) connects the TS4-A-O units to the monitoring portal "Tigo Energy Intelligence" via Wi-Fi or ethernet
- Tigo Access Point (TAP) ensures communication between the optimizers and Cloud Connect Advanced
- Detailed plant monitoring including real-time and historical data, energy flow overview and alerts in case of malfunctions and identification of any issues
- Configuration and commissioning via the Tigo Smart App for Android and iOS

Warranty and safety

- Tigo Optimizer TS4-A-O: 25-year warranty
- Cloud Connect Advanced and Tigo Access Point: 5-year warranty
- Tigo products are certified by important, globally renowned organisations such as UL, TUV, CSA, JET
- Rapid shutdown for Tigo systems in accordance with NEC 2014 and 2017 690

Compatibility and installation

- TS4 platform is compatible with many inverters, e. g. by deactivating the MPP tracking of the inverter and thus shifting it to the module level
- TS4 platform works at any scale – from a single kilowatt on the roof of a house to power plants with several megawatts of power
- Simple and quick installation, no additional earthing wires or bolts required
- Long service life due to demand-optimized bypass operation